

1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/422,838C

DATE: 11/30/2001
TIME: 12:02:10

Input Set : A:\AMP2.txt
Output Set: N:\CRF3\11212001\I422838C.raw

ENTERED

3 <110> APPLICANT: Liu, Chuan-Fa
4 Feige, Ulrich
5 Cheetham, Janet C.
7 <120> TITLE OF INVENTION: Thrombopoietic Compounds
9 <130> FILE REFERENCE: 01017/36263
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/422,838C
C--> 12 <141> CURRENT FILING DATE: 1999-10-22
14 <150> PRIOR APPLICATION NUMBER: 60/105,348
15 <151> PRIOR FILING DATE: 1998-10-23
17 <160> NUMBER OF SEQ ID NOS: 46
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 14
23 <212> TYPE: PRT
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
29 <400> SEQUENCE: 1
30 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
31 1 5 10
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 14
36 <212> TYPE: PRT
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Peptide is a subunit of a homodimer: Subunits in
44 the dimer are covalently bonded at each carboxy
45 terminus through peptide linkage with
46 NH2-CH2-CH2-CH2-CH2-CH(CONH2)-NH-CO-CH2-CH2-NH2
48 <400> SEQUENCE: 2
49 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
50 1 5 10
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 684
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence:
60 oligonucleotide
62 <400> SEQUENCE: 3
63 atggacaaaa ctcacacatg tccacctgt ccagctccgg aactcctggg gggaccgtca 60
64 gtcttctct tcccccaaa acccaaggac accctcatga tctccggac cctgaggtc 120
65 acatgcgtgg tggtagcgt gagccacgaa gaccctgagg tcaagttcaa ctggtacgtg 180
66 gacggcgtgg aggtgcataa tgccaagaca aagccgcggg aggagcagta caacagcacg 240
67 taccgtgtgg tcagcgtct caccgtcctg caccaggact ggctgaatgg caaggagtac 300

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68 aagtgcagg tctccaacaa agccctccca gccccatcg agaaaaccat ctccaaagcc 360
69 aaagggcagc cccgagaacc acaggtgtac accctgcccc catcccggga tgagctgacc 420
70 aagaaccagg tcagcctgac ctgcctggtc aaaggcttct atcccagcga catcgccgtg 480
71 gagtgggaga gcaatgggca gccggagaac aactacaaga ccacgcctcc cgtgctggac 540
72 tccgacggct ccttcttctt ctacagcaag ctcaccgtgg acaagagcag gtggcagcag 600
73 gggaacgtct tctcatgctc cgtgatgcat gaggtctctg acaaccacta cagcagaag 660
74 agcctctccc tgtctccggg taaa 684

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76 <210> SEQ ID NO: 4

77 <211> LENGTH: 684

78 <212> TYPE: DNA

79 <213> ORGANISM: Artificial Sequence

81 <220> FEATURE:

82 <223> OTHER INFORMATION: Description of Artificial Sequence:

83 oligonucleotide

85 <400> SEQUENCE: 4

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86 tacctgtttt gagtgtgtac aggtggaaca ggtcgaggcc ttgaggaccc ccctggcagt 60
87 cagaaggaga agggggggtt tgggttcctg tgggagtact agagggcctg gggactccag 120
88 tgtacgcacc accacctgca ctcggtgctt ctgggactcc agttcaagtt gaccatgcac 180
89 ctgccgcacc tccacgtatt acggttctgt ttccggcccc tctctgctat gttgtcgtgc 240
90 atggcacacc agtcgcagga gtggcaggac gtggtcctga ccgacttacc gttcctcatg 300
91 ttcacgttcc agaggttggt tcgggagggg cgggggtagc tcttttggtg gaggtttcgg 360
92 tttcccgctc gggctcttgg tgtccacatg tgggacgggg gtagggccct actcgactgg 420
93 ttcttggtcc agtcggactg gacggaccag tttccgaaga tagggctcgt gtagcggcac 480
94 ctcacctctc cgttaccctg cggcctcttg ttgatgttct ggtgcggagg gcacgacctg 540
95 aggetgccga ggaagaagga gatgtcgttc gagtggcacc tgttctcgtc caccgtcgtc 600
96 cccttgcaag agagtacgag gcaactacgt ctccgagacg tgttggtgat gtgcgtcttc 660
97 tcggagaggg acagaggccc attt 684

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99 <210> SEQ ID NO: 5

100 <211> LENGTH: 228

101 <212> TYPE: PRT

102 <213> ORGANISM: Artificial Sequence

104 <220> FEATURE:

105 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide

107 <400> SEQUENCE: 5

108 Met Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu

109 1 5 10 15

111 Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu

112 20 25 30

114 Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser

115 35 40 45

117 His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu

118 50 55 60

120 Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr

121 65 70 75 80

123 Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn

124 85 90 95

126 Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro

127 100 105 110

129 Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln

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130          115          120          125
132 Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val
133          130          135          140
135 Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val
136 145          150          155          160
138 Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro
139          165          170          175
141 Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr
142          180          185          190
144 Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val
145          195          200          205
147 Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
148          210          215          220
150 Ser Pro Gly Lys
151 225
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 8
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
162 <400> SEQUENCE: 6
163 Gly Gly Gly Lys Gly Gly Gly Gly
164 1 5
167 <210> SEQ ID NO: 7
168 <211> LENGTH: 8
169 <212> TYPE: PRT
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
175 <400> SEQUENCE: 7
176 Gly Gly Gly Asn Gly Ser Gly Gly
177 1 5
180 <210> SEQ ID NO: 8
181 <211> LENGTH: 8
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
188 <400> SEQUENCE: 8
189 Gly Gly Gly Cys Gly Gly Gly Gly
190 1 5
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 4
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
201 <400> SEQUENCE: 9

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Input Set : A:\AMP2.txt
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202 Gly Pro Asn Gly
 203 1
 206 <210> SEQ ID NO: 10
 207 <211> LENGTH: 32
 208 <212> TYPE: PRT
 209 <213> ORGANISM: Artificial Sequence
 211 <220> FEATURE:
 212 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
 214 <400> SEQUENCE: 10
 215 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Pro
 216 1 5 10 15
 218 Asn Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
 219 20 25 30
 225 <210> SEQ ID NO: 11
 226 <211> LENGTH: 36
 227 <212> TYPE: PRT
 228 <213> ORGANISM: Artificial Sequence
 230 <220> FEATURE:
 231 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Cyclic peptide; Secondary structure is maintained
 235 by disulfide bond between intramolecular Cys
 236 residues at positions 9 and 31
 238 <400> SEQUENCE: 11
 239 Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
 240 1 5 10 15
 242 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu
 243 20 25 30
 245 Ala Ala Arg Ala
 246 35
 249 <210> SEQ ID NO: 12
 250 <211> LENGTH: 36
 251 <212> TYPE: PRT
 252 <213> ORGANISM: Artificial Sequence
 254 <220> FEATURE:
 255 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
 257 <400> SEQUENCE: 12
 258 Ile Glu Gly Pro Thr Leu Arg Gln Cys Leu Ala Ala Arg Ala Gly Gly
 259 1 5 10 15
 261 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Arg Leu Gln Cys Leu
 262 20 25 30
 264 Ala Ala Arg Ala
 265 35
 268 <210> SEQ ID NO: 13
 269 <211> LENGTH: 36
 270 <212> TYPE: PRT
 271 <213> ORGANISM: Artificial Sequence
 273 <220> FEATURE:
 274 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide

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276 <400> SEQUENCE: 13
277 Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu Ala Ala Arg Ala Gly Gly
278   1               5               10               15
280 Gly Gly Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Ala Leu
281   20               25               30
283 Ala Ala Arg Ala
284   35
287 <210> SEQ ID NO: 14
288 <211> LENGTH: 36
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
295 <400> SEQUENCE: 14
296 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
297   1               5               10               15
299 Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
300   20               25               30
302 Ala Ala Arg Ala
303   35
306 <210> SEQ ID NO: 15
307 <211> LENGTH: 36
308 <212> TYPE: PRT
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Lys residue at position 18 is Bromoacetylated
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: derivatized
316 peptide
318 <400> SEQUENCE: 15
319 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
320   1               5               10               15
322 Gly Lys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
323   20               25               30
325 Ala Ala Arg Ala
326   35
329 <210> SEQ ID NO: 16
330 <211> LENGTH: 36
331 <212> TYPE: PRT
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: peptide
337 <400> SEQUENCE: 16
338 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Gly Gly
339   1               5               10               15
341 Gly Cys Gly Gly Gly Gly Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu
342   20               25               30
344 Ala Ala Arg Ala
345   35

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VERIFICATION SUMMARY

DATE: 11/30/2001

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TIME: 12:02:11

Input Set : A:\AMP2.txt

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L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date